

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-109767

(43)Date of publication of application : 28.04.1997

(51)Int.Cl.

B60P 1/36

B60P 3/00

F17C 13/08

(21)Application number : 07-275656

(71)Applicant : SHIN MEIWA IND CO LTD

(22)Date of filing : 24.10.1995

(72)Inventor : NAKAI HIROSHI

YAMASHIRO KUNIO

(54) CYLINDER CARTRIDGE FOR CYLINDER CARRIER

(57)Abstract:

PROBLEM TO BE SOLVED: To load a small-sized cylinder in a cylinder carrier, by constituting the small-sized cylinder circularly-movable by a conveyer.

SOLUTION: A cylinder cartridge 21 capable of being loaded on a cylinder carrier is provided in a belt shape astride a peripheral direction region of the fixed side support member and a movable side support member, together with a circular cylinder base 22 loading a small-sized cylinder C in a condition of layering a plurality of cylinders in a vertical direction, a fixed side support member 24 supporting one side in a peripheral part of each small-sized cylinder on the cylinder base, upper/lower movable side support members 25, removably provided in the fixed side support member to be mounted/demounted between a support position supporting each small-sized cylinder and a removal position capable of loading/unloading the small-sized cylinder. A protector member 27 is provided which brings a peripheral surface into slide contact with a guide member guiding the cylinder by slide contact with a barrel part peripheral surface of the cylinder when it is circularly moved by a conveyer on a load- carrying platform bottom surface of the cylinder carrier.

